

1878

# Catalogue of the Maine State College of Agriculture and the Mechanic Arts, Orono, Maine, 1877-8

University of Maine - Main

Follow this and additional works at: [https://digitalcommons.library.umaine.edu/univ\\_publications](https://digitalcommons.library.umaine.edu/univ_publications)



Part of the [Higher Education Commons](#)

---

## Repository Citation

University of Maine - Main, "Catalogue of the Maine State College of Agriculture and the Mechanic Arts, Orono, Maine, 1877-8" (1878). *General University of Maine Publications*. 20.  
[https://digitalcommons.library.umaine.edu/univ\\_publications/20](https://digitalcommons.library.umaine.edu/univ_publications/20)

This Monograph is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in General University of Maine Publications by an authorized administrator of DigitalCommons@UMaine. For more information, please contact [um.library.technical.services@maine.edu](mailto:um.library.technical.services@maine.edu).

Univ  
MUO  
994  
1877-8  
c.2

CATALOGUE  
OF THE  
Maine State College of Agriculture  
AND THE  
MECHANIC ARTS,



ORONO, MAINE.

1877-8.

---

AUGUSTA:  
SPRAGUE, OWEN & NASH, PRINTERS TO THE STATE.  
1878.

# CATALOGUE

OF THE

# Maine State College of Agriculture

AND THE

## MECHANIC ARTS,



ORONO, MAINE.

1877-8.

---

AUGUSTA:

SPRAGUE, OWEN & NASH, PRINTERS TO THE STATE.

1878.

## TRUSTEES.

---

Hon. ABNER COBURN, SKOWHEGAN,  
*President.*

Hon. LYNDON OAK, GARLAND,  
*Secretary.*

---

Hon. WILLIAM P. WINGATE, BANGOR,  
Hon. SYLVANUS T. HINCKS, BUCKSPORT,  
Hon. JAMES C. MADIGAN, HOULTON,  
Hon. CALEB A. CHAPLIN, HARRISON,  
Rev. SAMUEL F. DIKE, BATH,  
Hon. SAMUEL L. BOARDMAN, AUGUSTA,

*Secretary Maine Board of Agriculture, and ex-officio  
Member of Board of Trustees.*

---

### TREASURER :

Hon. ISAIAH STETSON, BANGOR.

---

### EXECUTIVE COMMITTEE :

Hon. WILLIAM P. WINGATE,  
Hon. SYLVANUS T. HINCKS,  
Hon. LYNDON OAK.

---

### EXAMINING COMMITTEE :

Hon. SELDEN CONNOR,  
Hon. SIDNEY PERHAM,  
Rev. SAMUEL F. DIKE,  
Hon. E. B. NEALLEY.

## FACULTY.

---

CHARLES F. ALLEN, D. D.,  
*President and Professor of English Literature and Moral  
Science.*

MERRITT C. FERNALD, A. M.,  
*Professor of Mathematics and Physics.*

ALFRED B. AUBERT, B. S.,  
*Professor of Chemistry.*

WILLIAM A. PIKE, C. E.,  
*Professor of Engineering.*

CHARLES H. FERNALD, A. M.,  
*Professor of Natural History.*

FRANCIS L. HILLS,  
*Professor of Modern Languages, and Military Instructor.*

GEORGE H. HAMLIN, C. E.,  
*Professor of Drawing and Field Engineering.*

JOSEPH R. FARRINGTON,  
*Farm Superintendent and Instructor in Agriculture.*

---

Prof. G. H. HAMLIN, *Librarian.*

Prof. W. A. PIKE, *Secretary.*

HENRY LANDERS, *Steward.*

## STUDENTS.

## SENIOR CLASS.

Brown, Emma,	Orono.
Caldwell, Andrew James,	Cornwall, N. Y.
Chamberlain, Cecil Calvert,	Foxcroft.
Fernald, George Everett,	South Levant.
Heald, James,	Orono.
Howe, Richard Scrope,	Fryeburg.
Locke, John, Jr.,	Fryeburg.
Oakes, Frank Judson,	Oldtown.
Patterson, John Cameron,	Dexter.
Tripp, Winfield Eastman,	Lyman.
Walker, Edward Colby,	Fryeburg.
Webster, Otis Colby,	Augusta.

## JUNIOR CLASS.

Bean, Harry Percy,	Bangor.
Blake, Edward Josiah,	North Bridgton.
Crosby, Simon Percy,	Dexter.
Curtis, John Andrew,	Bowdoin.
Cutter, John Dana,	Brewer.
Decker, Wilbur Fisk,	Bowdoinham.
Decrow, David Augustus,	Bangor.
Ferguson, Willis Edwin,	Bangor.
Gibbs, Charles Wingate,	Glenburn.
Goodale, Loomis Farrington,	Bangor.
Gould, Annie May,	Stillwater.
Holt, Nellie Maud,	Orono.
Johnson, Edward Clinton,	Gorham.
Kidder, Frank Eugene,	Bangor.
Libby, Mark D.,	Riverside.
Loring, Charles Sewall,	Phippsburg.
Merrill, Albert Young,	Orono.
Merrill, George Perkins,	Auburn.
Meserve, John William,	Rockland.
Moore, Arthur Lee,	Limerick.
Morse, Charles Adelbert,	Bangor.
Peaks, Henry Wilson,	Charleston.
Potter, Fred David,	Waldoboro'.
Smith, Eugene Gardiner,	Richmond.
Shaw, Alton Jhacelous,	Auburn.
Vinal, Percia Ann,	Orono.
Warren, George Otis,	Fryeburg.
Webster, Herbert,	Orono.

## SOPHOMORE CLASS.

Allen, Charles Morse,	Orono.
Atwood, Edward Norton,	Cape Elizabeth.
Austin, Granville,	Fryeburg.
Bartlett, Monroe James,	Litchfield.
Brown, Albert Hinckley,	Oldtown.
Cheney, Charles Eastman,	Scarboro'.
Cleaveland, Woodbury Fremont,	Skowhegan.
Davis, Marcia,	Stillwater.
Elliot, Fred Burton,	Bowdoin.
Farrington, Sarah Perkins,	Orono.
Fernald, Charles Wilbur,	South Levant.
Fickett, Fred Wilden,	Etna.
Fuller, Osgood Everett,	Camden.
Goodwin, Harry Herrick,	Biddeford.
Jones, Daniel Sherman,	Dennysville.
Keyes, Prescott, Jr.,	Richmond.
Lufkin, George William,	North Yarmouth.
Mansfield, Frank Albert,	Camden.
Matthews, Annie A.,	Stillwater.
Murray, Henry Wilson,	Solon.
Nash, Charles William,	Addison.
Oak, Willis Laurens,	Garland.
Patten, Franklin Rand,	Hampden.
Pease, Charles Truman,	Bridgton.
Powers, Fred Wallace,	Fryeburg.
Purinton, James Frank,	Bowdoin.
Randall, Mortier Clement,	Stillwater.
Rich, William James,	Pembroke.
Webster, Howard Elmer,	Orono.
Webster, Daniel, Jr.,	Bangor.
Wellington, Arthur Lee,	Fort Fairfield.

## FRESHMAN CLASS.

Adams, Henry Walton,	Bowdoin.
Andrews, Henry Harris,	Montross, Va.
Boynton, Lorin Thompson,	Ashland.
Brown, Henry William,	Orono.
Buck, Clara Louise,	Stillwater.
Chandler, Charles Peleg,	New Gloucester.
Chapin, Elmer Clarence,	Bangor.
Colburn, Fannie Eliza,	Orono.
Farrington, Edward Holyoke,	Orono.
Farrington, Oliver Cummings,	Orono.
Fogg, Charles Henry,	Biddeford.
Gee, Archy Stuart,	Orono.
Hine, Thomas Walton	Bowdoin.
Holmes, George William,	Norway.
Ingalls, Adam Theodore,	South Bridgton.
Johnson, Benjamin Lewis,	Portland.
Johnson, Robert John,	Portland.
Libby, Clara Alice,	Orono.
Luques, Edward Childs,	Biddeford.
Macomber, Charles Sumner,	Milo.
McIntyer, Horace F.,	Waldoboro'.
Moor, Charles Lincoln,	Hartland.
Murray, Benjamin Franklin,	Solon.
Nichols, Charles Stuart Davis,	Saco.
Nowland, Martin,	Ashland.
Osborn, Edwin Winthrop,	Pembroke.
Osgood, Benjamin Fernandez,	Prentiss.
Pease, Oscar Leroy,	Stillwater.
Plaisted, Harold Mason,	Bangor.
Ring, Alice Isabel,	Orono.
Ring, May Lilian,	Orono.
Ross, Charles Champunet,	Orono.
Smith, Roscoe Loring,	East Orrington.
Southard, Clara,	Orono.
Sturtevant, George Washington,	Bowdoinham.



## FRESHMAN CLASS—CONCLUDED.

Tidd, Charles Plummer,	Springfield.
Tidd, Harry Powell,	Springfield,
Tilden, William Reed,	Castine.
Vinal, William Albert, Jr.,	Orono.
Wales, William Gorton,	Hampden.
Weeks, Frank Benjamin,	Orono.
Welch, Flora,	Orono.
White, Walter Adelbert,	Greenfield.
Wilson, George Henry,	Orono.
Wilson, John Barrows,	Orono.
Wyman, Levi Augustus,	Ellsworth.

## SPECIAL COURSE.

Atwood, Horace Wood,	Northbridge, Mass.
Benjamin, Charles H.,	Patten.
Buswell, Anne Maria Louise,	Newport.
Carver, Benjamin Vanness,	Carver's Harbor.
Dunton, Herbert Weston,	Pittston.
Elwell, Charles C.,	Patten.
Fessenden, Frank Pierce,	South Bridgton.
Horne, John Francois,	Norway.
Horton, John Bancroft, Jr.,	Calais.
Ramsdell, Emily Isabel,	Atkinson.
Simpson, Charles Sumner,	North Turner.
Spofford, John C.,	Webster.

## RESIDENT GRADUATES.

Farrington, Arthur Manley,	Orono.
Jordan, Whitman Henry,	New Gloucester.
Haskell, Newall Prince,	New Gloucester.
Blackinton, Alvah DeOrville,	Rockland.

## SUMMARY.

Seniors,	12	Special,	12
Juniors,	28	Resident Graduates,	4
Sophomores,	31		—
Freshmen,	46	Total,	133

## OFFICERS OF THE COBURN CADETS.

## MAJOR—Prof. F. L. Hills.

ADJUTANT—C. C. Elwell.	QUARTERMASTER—J. C. Patterson.
ADJ. MAJOR—J. W. Meserve.	QUARTERMASTER SERGT.—F. D. Potter.

## COMPANY A.

## COMPANY B.

Captain, C. C. Chamberlain.	Captain, A. J. Caldwell.
Senior 1st Lieut., J. Locke, Jr.	Senior 1st Lieut., C. C. Elwell.
Junior 1st Lieut., J. C. Patterson.	Junior 1st Lieut., G. E. Fernald.
Second Lieut., F. J. Oakes.	Second Lieut., O. C. Webster.
1st Sergeant, E. J. Blake.	1st Sergeant, W. F. Decker.
2d Sergeant, J. W. Meserve.	2d Sergeant, H. Webster.
3d Sergeant, F. D. Potter.	3d Sergeant, J. D. Cutter.
4th Sergeant, M. D. Libby.	4th Sergeant, A. Y. Merrill.
1st Corporal, G. W. Lufkin.	1st Corporal, F. W. Powers.
2d Corporal, C. M. Allen.	2d Corporal, P. Keyes, Jr.
3d Corporal, F. W. Fickett.	3d Corporal, B. V. Carver.
4th Corporal, C. W. Nash.	4th Corporal, O. E. Fuller.

## PRIZES FOR 1877.

Coburn Prize for best Sophomore Declamation, awarded to A. Y. Merrill and H. W. Peaks.

Coburn Prize for best Junior Essay, awarded to Miss Emma Brown.

Prize for best Essay before the Board of Agriculture, awarded to C. C. Chamberlain.

## DESIGN OF THE INSTITUTION.

It is the design of the Maine State College of Agriculture and the Mechanic Arts, to give the young men of the State who may desire it, at a moderate cost, the advantages of a thorough, liberal and practical education. It proposes to do this by means of the most approved methods of instruction, by giving to every young man who pursues the course of study an opportunity practically to apply the lesson he learns in the class-room, and by furnishing him facilities of defraying a part of his expenses by his own labor.

By the act of Congress granting public lands for the endowment and maintenance of such colleges, it is provided that the leading object of such an institution shall be, "without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to Agriculture and the Mechanic Arts."

While the courses of study fully meet this requisition, and are especially adapted to prepare the student for agriculture and mechanical pursuits, it is designed that they shall be also sufficiently comprehensive, and of such a character, as to secure to the student the discipline of mind and practical experience necessary for entering upon other callings or professions.

## CONDITIONS OF ADMISSION.

Candidates for admission to the Freshman class must be not less than fifteen years of age, and must pass a satisfactory examination in Arithmetic, Geography, English Grammar, (especial attention should be given to Orthography, Punctuation and Capitals) History of the United States, Algebra as far as Quadratic Equations, and five books in Geometry.

Although the knowledge of Latin is not required as a condition of admission, yet the study of that language is earnestly recommended to all who intend to enter this institution.

Candidates for advanced standing must sustain a satisfactory examination in the preparatory branches, and in all the studies previously pursued by the class they propose to enter.

Satisfactory testimonials of good moral character and industrious habits will be rigidly exacted.

The day after commencement, which is the last Wednesday of June, and the day before the beginning of the first term, are the appointed times for the examination of candidates.



## COURSES OF INSTRUCTION.

Five full courses are provided, viz: A course in Agriculture; in Civil Engineering; in Mechanical Engineering; in Chemistry; and in Science and Literature. The studies of the several courses are essentially common for the first two years.

In the course of Science and Literature those studies marked with a star are to be taken in place of those that immediately precede them in the Agricultural course.

There will be regular exercises during the four years in English Composition, Declamation and Military Tactics. Lectures will be given to the Freshmen class, on Physics, Meteorology, Physical Geography and Botany; to the Sophomore class, on Chemistry, Horticulture and Practical Agriculture; to the Junior class, on Anatomy, Physiology, Astronomy and English Literature; and to the Senior class, on Rural Law, Mineralogy, Geology, Stock Breeding, Cultivation of Grasses and Cereals.

## SPECIAL COURSE.

Students may be received for less time than a full course, and may select from the studies of any class such branches as they are qualified to pursue successfully. Students in the Special Courses are not entitled to a degree, but certificates of proficiency may be given them.

## DEGREES.

The full course in Civil Engineering entitles to the Degree of Bachelor of Civil Engineering; the full course in Mechanical Engineering, to the Degree of Bachelor of Mechanical Engineering; the full course in Agriculture, Chemistry, or Science and Literature, to the Degree of Bachelor of Science.

Three years after graduation, on presentation of a thesis with the necessary drawings, and proof of professional work or study, the Bachelors of Civil Engineering may receive the Degree of Civil Engineer; the Bachelors of Mechanical Engineering, the Degree of Mechanical Engineer; the Bachelors of Science, the Degree of Master of Science.

## COURSES OF STUDY.

## FIRST YEAR.

*First Term.*

Physical Geography,  
Meteorology,  
Algebra,  
Rhetoric,  
P. M. Labor on Farm.

*Second Term.*

French,  
Algebra and Geometry,  
Farm Drainage and Botany,  
P. M. Book-Keeping and Labor.

## SECOND YEAR.

*First Term.*

French and Farm Implements,  
Botany and General Chemistry,  
Trigonometry.  
P. M. Free Hand Drawing and Chemistry.

*Second Term.*

Mechanical Cultivation of the Soil, and  
Surveying, or (L) History of England,  
English Literature and Physics,  
Analytical Geometry and Calculus or Qualitative Chemistry.  
P. M. Mechanical Drawing and Field Work.

## THIRD YEAR.

## COURSE IN AGRICULTURE.

*First Term.*

Physics,  
Physiology, Human Anatomy and Hygiene, German,  
Agricultural Chemistry or  
\* English Literature.  
P. M. Chemistry or  
\* Analysis of English Authors.

*Second Term.*

Zoology and Entomology,  
Astronomy and Mechanics.  
P. M. Chemistry and Experimental Farming or  
\* Analysis of American Authors.

## COURSE IN CIVIL ENGINEERING.

*First Term.*

Calculus,  
Hencks' Field Book,  
Physics,  
German.  
P. M. Field Work and Shading.

*Second Term.*

Astronomy,  
Descriptive Geometry,  
First Part of Rankine's Civil Engineering and Mechanics,  
German.  
P. M. Isometric and Cabinet Projection and Perspective.

COURSES OF STUDY—*Concluded.*

## COURSE IN MECHANICAL ENGINEERING.

*First Term.*

Calculus,  
Machinery and Mill Work,  
Physics,  
German.  
P. M. Machine Drawing and Shading.

*Second Term.*

Astronomy,  
Descriptive Geometry,  
Machinery and Mill Work,  
German.  
P. M. Isometric, Cabinet Projection and Perspective.

## COURSE IN CHEMISTRY.

*First Term.*

Physics,  
Physiology,  
German,  
Chemistry.  
P. M. Laboratory Work.

*Second Term.*

Zoology and Entomology,  
German,  
Chemistry.  
P. M. Laboratory Work.

## FOURTH YEAR.

## COURSE IN AGRICULTURE.

*First Term.*

Comparative Anatomy.  
History of Civilization,  
Dairy Farming and Stock Breeding,  
Logic.  
P. M. Experimental Farming and Agricultural Botany or  
\* Historical Readings and Analysis.

*Second Term.*

U. S. Constitution and Political Economy,  
Mineralogy and Geology,  
Cultivation of Cereals,  
Landscape Gardening,  
Rural Architecture and Sheep Husbandry,  
Mental and Moral Science.

## COURSE IN CIVIL ENGINEERING.

*First Term.*

Second Part of Rankine's Civil Engineering,  
Logic,  
Physiology (with Junius).  
P. M. Stereotomy, Topography and R. R. Work.

*Second Term.*

U. S. Constitution and Political Economy,  
Mineralogy and Geology,  
Third Part of Rankine's Civil Engineering,  
Designs and Specifications.  
P. M. Machine Drawing and Designing.

## COURSE IN MECHANICAL ENGINEERING.

*First Term.*

Steam Engine, Logic, Physiology (with Junius).  
P. M. Applied Descriptive Geometry and Machine Drawing.

*Second Term.*

Steam Engine, Designs and Specifications,  
U. S. Constitution and Political Economy,  
Mineralogy and Geology.  
P. M. Machine Drawing and Designing.

## COURSE IN CHEMISTRY.

*First Term.*

Comparative Anatomy,  
History of Civilization, Logic, Chemistry.  
P. M. Laboratory Work.

*Second Term.*

U. S. Constitution and Political Economy,  
Mineralogy and Geology, Chemistry.  
P. M. Laboratory Work.

## SPECIAL FEATURES OF THE COURSES.

The prominence given to the Natural Sciences, and the practical element associated with the studies, render the first two years exceedingly valuable, as the groundwork of whatever more specific department may be pursued. Those who complete the course in Agriculture will have attained a good knowledge of Mathematics, French, German and English Literature, besides the studies in Natural Science that have a direct bearing upon agriculture. The study of Botany extends through nearly a year, commencing early in the Spring and extending late in the Autumn. General Chemistry and Physics continue through a whole year. Under Agricultural Chemistry will be considered composition of soils, relations of air and moisture to vegetable growth, chemistry of farm processes, methods of improving soils, fertilizers, and other topics which properly come under this department.

This course, slightly modified so as better to adapt it to those wishing a thorough practical education for other employments, is called the course in Science and Literature. This includes mental and moral science, logic and more of general literature. The student in Civil Engineering having laid a good foundation of general culture in literary studies, modern languages, mathematics and natural science, in his Junior year enters upon his engineering studies, embracing the theory and practice of constructing roads, railroads, bridges, canals, dams and other structures, and has thorough instruction and practice in mechanical and topographical drawing. The afternoons are devoted to field work and drawing.

With the same instruction in general studies, those who take the course in Mechanical Engineering study the elements of mechanism, machinery and mill work, steam engines, water wheels, estimates and specifications for machinery. They are instructed to draw working plans from descriptions, models and inspection of machinery, as well as to design machines.

The course in Chemistry includes general, analytical and agricultural chemistry. Under analytical chemistry is comprised the qualitative and quantitative analysis of minerals, alloys, earths, fertilizers and farm products. The students devote three hours a day to laboratory practice.

### LABOR.

It is a peculiarity of the college, that it makes provision for labor, thus combining practice with theory, manual labor with scientific culture. Students in this institution are required to labor a certain portion of each day, not exceeding three hours, for five days in the week.

The labor is designed to be as much as possible educational, so that every student may become familiar with all the forms of labor upon the farm and in the gardens. In the lowest class the students are required to work on the farm, and they receive compensation for their labor according to their industry, faithfulness and efficiency, the educational character of the labor being also taken into account. The maximum amount paid will be thirty cents for three hours labor.

### MILITARY.

Thorough instruction is given in Military Science by a competent officer. The instruction extends through the whole college course, and embraces personal, squad, company and battalion drill. The students are enrolled in companies under their own officers. Arms are furnished by the State. The uniform is navy blue yacht cloth, sack coat and pants, without brass buttons or trimmings that attract attention, and is required to be worn during the military exercises.

### LOCATION.

The college has a pleasant and healthful location, between the villages of Orono and Upper Stillwater, and about a mile from each. Stillwater river, a tributary of the Penobscot, flows in front of the buildings forming the western boundary of the college farm, and adding much to the beauty of the surrounding scenery.

The European & North American Railway, over which trains pass several times each day, has a station at the village of Orono. The college is within nine miles of the city of Bangor, and is consequently easily accessible from all parts of the State.

### FARM AND BUILDINGS.

The college farm contains three hundred and seventy acres of land of high natural productiveness, and of great diversity of soil, and is therefore well adapted to the experimental purposes of the institution.

White Hall, the building first erected, affords excellent accommodations for limited number of students. The lower rooms of this building are appropriated to general and class purposes.

Brick Hall contains forty-eight rooms. The boarding house connected with the college buildings is open to students. With these buildings, the institution furnishes desirable accommodations for one hundred and twenty-five students.

The chemical laboratory contains two apparatus rooms, a lecture room, a cabinet, a library and weighing room, a recitation room, and rooms for analytical and other purposes, and is in all respects admirably adapted to the wants of the chemical and mineralogical departments.

### APPARATUS.

The college is furnished with new and valuable apparatus for the departments of Physical Geography, Natural Philosophy and Chemistry, and for Surveying and Civil Engineering, to which additions will be made as the exigencies of the several departments require. Models have been obtained from the United States Patent Office, and others have been purchased, that serve for purposes of instruction.

### LIBRARY.

The library already contains 3,648 volumes, some of which have been obtained by purchase, while others have been kindly given to the college. The volumes secured through the liberality of Governor Coburn, and the gifts of other friends, are a valuable addition to this department. It is earnestly hoped that so important an auxiliary in the education of students in the college will not be disregarded by the people of the State, but that liberal contributions will be made to the library, not only of agricultural and scientific works, but also those of interest to the general reader.

### READING ROOM.

The reading room is supplied with a number of valuable newspapers and periodicals. Grateful acknowledgment is herewith made for the following named papers, generously sent by the proprietors to the college:

Aroostook Times, Agricultural Gazette, American Cultivator, Androscoggin Herald, American Sentinel, Bangor Weekly Courier, Bath



Commercial, Camden Journal, Christian Mirror, Christian Register, Chronicle, Dexter Gazette, Dirigo Rural, Eastern Argus, Eastport Sentinel, Kennebec Journal, Lincoln County News, Lewiston Gazette, Maine Farmer, Maine Standard, New England Farmer, N. Y. Observer, North Star, Official Gazette U. S. Patent Office, Oxford Register, Patten Tribune, Rockland Weekly Courier, Piscataquis Observer, Somerset Reporter, Salem Post, Sunrise, York County Independent.

The following are furnished by subscription:

American Agriculturist, American Chemist, American Naturalist, American Journal of Science and Art, American Architect and Builder, Appleton's Journal, Atlantic Monthly, Bangor Daily Whig and Courier, Boston Journal of Chemistry, Boston Statesman, Chicago Times, Denver Journal, Evening Post, Engineering Magazine, Entomologist, Galaxy, Hartford Weekly Times, Harper's Monthly, Harper's Weekly, International Review, Journal Royal Agricultural Society, England, Journal Franklin Institute, Leslie's Illustrated News, New York Clipper, New York Tribune, Rural New Yorker, Pilot, Popular Science Monthly, Poultry World, Portland Daily Press, Live Stock Journal, Scribner's Monthly, Springfield Republican, Scientific Farmer, Agricultural Gazette, Weekly Picayune, St. Louis Weekly Times.

#### CABINET.

Rooms have been fitted up with cases of minerals, and specimens of natural history, and several hundred specimens have been presented to the college. The valuable private cabinet of Prof. C. H. Fernald is placed in these rooms, and is accessible to the students. All specimens presented will be properly credited and placed on exhibition. Rocks illustrating the different geological formations, and minerals found within the State, are particularly solicited. Additions have been made during the past year.

#### LITERARY SOCIETIES.

Flourishing societies have been organized by the students of the college, which hold weekly meetings for declamations, discussions, and other literary exercises.

#### PUBLIC WORSHIP.

All students are required to attend daily prayers at the college, and public worship on the Sabbath at some one of the neighboring churches, unless excused by the President.

#### EXPENSES.

Tuition is free to students residing within the State. Those from other States will be charged twelve dollars per term. Rooms are free. All bedding and furniture must be supplied by the students, who will also furnish their own lights. Board, washing and fuel will be furnished. The price of board is two dollars and sixty cents per week; washing sixty cents per dozen. These bills, with those for incidental expenses, are payable at or before the close of each term.

The terms are so arranged that the long vacation occurs in the winter, that students may have an opportunity to teach during that time. By means of the amount thus earned, together with the allowance for labor, the industrious and economical student can cancel the greater part of his college expenses.

## GRADUATES.

## Class of 1872.

NAME AND OCCUPATION.	RESIDENCE.
Benjamin F. Gould, C. E., Farmer,	San Juan, California.
George E. Hammond, C. E., Civil Engineer,	Elliot.
Heddlle, Hilliard, C. E., Civil Engineer,	Grand Southern R. R., N. B.
Edwin J. Haskell, B. S., Manufacturer,	Saccarappa, Haskell Silk Co.
Eber D. Thomas, B. S., Civil Engineer,	Grand Rapids, Mich.
George O. Weston, B. S., Farmer,	Norridgewock.

## Class of 1873.

Russell W. Eaton, C. E., Architect,	Providence, R. I.
George H. Hamlin, C. E., Teacher,	Maine State College, Orono.
Fred W. Holt, C. E., Civil Engineer,	Phoenixville Bridge Co., Penn.
Charles E. Reed, C. E., Assistant Editor Free Press,	Detroit, Mich.
John M. Oak, B. S., Merchant,	Garland.
Frank Lamson Scribner, B. S., Teacher,	Girard College, Philadelphia.
Harvey B. Thayer, B. S., Apothecary,	Garland.

## Class of 1874.

William A. Allen, C. E., Civil Engineer,	Portland, M. C. R. R.
Walter Balentine, B. S., Teacher,	Waterville.
William H. Gerrish, B. S., Medical Student,	Portland.
John I. Gurney, B. S., Farmer,	Dorchester, Mass.
David R. Hunter, B. S., Teacher,	Comptonville, Cal.
Louise H. Ramsdell, B. S., Teacher,	Atkinson.

## Class of 1875.

Solomon W. Bates, C. E., Civil Engineer,	Waterville.
Wilbur A. Bumps, C. E., Apothecary,	Dexter.
Samuel H. Clapp, C. E., Teacher,	Comptonville, California.
Lewis F. Coburn, C. E., Teacher,	Boothbay.
Charles F. Durham, C. E., Superintendent of Schools,	Crescentville, Cal.

NAME AND OCCUPATION.	RESIDENCE.
Edson F. Hitchings, C. E., Pattern Maker,	Waterville.
Allen G. Mitchell, C. E., Civil Engineer Somerset R. R.,	Madison.
George M. Shaw, C. E., Teacher,	Comptonville, California.
* Edgcar A. Work, C. E.,	U. S. Military Academy, West Point.
Edward D. Mayo, M. E., Teacher,	Clear Water, Minn.
Albert E. Mitchell, M. E., Machinist,	Altoona, Penn.
Minott W. Sewall, M. E., Machinist,	Philadelphia, Penn.
Charles F. Colesworthy, B. S., Teacher,	California.
Alfred M. Goodale, B. S., Machinist.	Lewiston.
Whitman H. Jordan, B. S., Student in Chemistry,	Cornell University.
* Fred L. Moore, B. S.,	California.
Luther W. Rogers, B. S., Farmer,	Stillwater.
Wesley Webb, B. S., Farmer,	Unity.

## Class of 1876.

Abbott, Edmund, B. S., Medical Student.	Winterport.
Allen, Charles Plummer, B. S., Lawyer,	Presque Isle.
Beckler, Eldridge Harlow, C. E., Teacher,	Empire City, Minn.
Bisbee, Fred Milton, C. E., Clerk of Water Works,	Kansas City, Mo.
Blanding, Edward Mitchell, B. S., Local Editor Commercial,	Bangor.
Brainard, Charles Marcellus, B. S.,	Donnie, California.
Buker, George Haskell, B. S., Apothecary.	Searsport.
Cowan, Florence Helen, B. S., Teacher,	Orono.
Crosby, Oliver, M. E., Foreman of Machine Shop,	St. Paul, Minn.
Cyr, Vetal, B. S., Teacher,	Ashland.
Dike, James Edward, C. E., Book Agent,	Boston, Mass.
Dike, William Oliver, B. S. Farmer.	Sebago.
Estabrooke, Horace Melvyn, B. S., Teacher,	Dennysville.
Farrington, Arthur Manly, B. S., Veterinary Student,	Cornell University.
Foss, George Obed, C. E., Draughtsman,	Red Wing, Minn.
Haines, William Thomas, B. S., Law Student,	Albany, N. Y.
Hamilton, Henry Fairfield, B. S., Student in Dentistry,	Saco.
Haskell, Newall Prince, B. S., Student in Chemistry,	Cornell University.
How, Edward Stevens, M. E.,	Portland.
Hubbard, Philip Wadsworth, B. S., Student in Pharmacy,	Phila., Pa.
Jones, Samuel Messer, M. E.,	Boston.

\* Deceased.



NAME AND OCCUPATION.	RESIDENCE.
Lewis, Albert Augustus, B. S., Teacher,	Orono.
Long, Herbert Augustine, M. E.,	Machias.
Lothrop, Luther Ramsdell, C. E., Teacher,	West Gardiner.
Martin, Nelson Hussey, B. S., Teacher,	Fort Fairfield.
Oak, Charles Edson, M. E., Teacher,	Presque Isle.
Parks, George Daniel, C. E., Civil Engineer,	Richmond.
Peirce, Hayward, B. S., Lumberman,	Frankfort.
Reed, Frank Radford, C. E.,	Roxbury.
Reynolds, Henry Jones, B. S., Teacher,	Dennysville.
Rogers, Charles Wilson, C. E.,	Richmond.
Stevens, William Lewis, M. E., Law Student,	Minneapolis, Minn.
Williams, John Howard, B. S., Teacher,	Milo.

## Class of 1877

Blackinton, Alvah DeOrville, B. C. E., Draughtsman, State Coll.	Orono.
Burns, Robert Bruce, B. C. E., Teacher,	Eddington.
Danforth, Edward Franklin, B. S. Law Student,	Boston, Mass.
Elkins, Augustus Jerome, B. M. E., Teacher,	Oldtown.
Emery, Alicia Town, B. S., Teacher,	Orono.
Gould, Samuel Wadsworth, B. S., Merchant,	Hiram.
Lunt, Joseph Cony, B. C. E., Sailor on ship Wm. Connor,	Benton.
Phillips, Fred Foster, B. S., Teacher,	Hermon.
Shaw, Samuel, B. M. E., Teacher,	Augusta.
Stone, Frank Pierce, B. S., Farmer,	Livermore Falls.
Stevens, Thomas Jefferson, B. M. E., Teacher,	Auburn.
Sturgis, George Eugene, B. C. E., Apothecary,	Portland, Oregon.
Towne, Charles Elmer, B. C. E., Teacher,	East Dover.
Weeks, James Walter, B. M. E., Military Instructor,	Castine.
Weeks, Nellie Estelle, B. S., Teacher,	Orono.
Webster, Ivan Eldorus, B. S., Teacher,	Orono.

# OFFICERS OF THE ASSOCIATE ALUMNI.

## PRESIDENT.

WILLIAM A. ALLEN, Portland.

## RECORDING SECRETARY.

H. M. ESTABROOKE, Maysville.

## CORRESPONDING SECRETARY.

W. A. BUMPS.

## TREASURER.

P. W. HUBBARD, Hiram.

## CLASS SECRETARIES.

1872. E. J. HASKELL, Saccarappa.

1873. J. M. OAK, Garland.

1874. WALTER BALENTINE, Waterville.

1875. ———— .

1876. E. M. BLANDING, Bangor.

CALENDAR.

---

- 1878—Feb. 12. Tuesday, Second Term commences.  
June 20, 21. Thursday and Friday, Examinations.  
“ 22. Saturday, Prize Declamation by Sophomores.  
“ 23. Sunday, Baccalaureate Address.  
“ 24. Monday, Prize Essays by Juniors.  
“ 26. Wednesday, Commencement.  
“ 27. Thursday, Examination of Candidates for Admission.  
Vacation of five weeks.  
Aug. 6. Tuesday, Examination of Candidates for Admission.  
“ 6. Wednesday, Term commences.  
Nov. 21, 22. Thursday and Friday, Examinations.  
Vacation of eleven weeks.  
1879—Feb. 11. Tuesday, Second Term commences.